

Sarah Casewell

List of Publications by Year in descending order

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99
papers

2,258
citations

201674

27
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276875

41
g-index

100
all docs

100
docs citations

100
times ranked

2324
citing authors

#	ARTICLE	IF	CITATIONS
1	The search for living worlds and the connection to our cosmic origins. <i>Experimental Astronomy</i> , 2022, 54, 1275-1306.	3.7	1
2	Discovery of CWISE J052306.42âˆ’015355.4, an Extreme T Subdwarf Candidate. <i>Astronomical Journal</i> , 2022, 163, 47.	4.7	4
3	Discovery of 16 New Members of the Solar Neighborhood Using Proper Motions from CatWISE2020. <i>Astronomical Journal</i> , 2022, 163, 116.	4.7	4
4	CWISE J014611.20â€“050850.0AB: The Widest Known Brown Dwarf Binary in the Field. <i>Astrophysical Journal Letters</i> , 2022, 926, L12.	8.3	5
5	TIC-320687387 B: a long-period eclipsing M-dwarf close to the hydrogen burning limit. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 1785-1793.	4.4	4
6	Periodic stellar variability from almost a million NGTS light curves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 420-438.	4.4	6
7	Transit timings variations in the three-planet system: TOI-270. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 5464-5485.	4.4	6
8	HST/WFC3 Complete Phase-resolved Spectroscopy of White-dwarf-brown-dwarf Binaries WD 0137 and EPIC 2122. <i>Astronomical Journal</i> , 2022, 163, 17.	4.7	8
9	Mapping the Pressure-dependent Dayâ€“Night Temperature Contrast of a Strongly Irradiated Atmosphere with HST Spectroscopic Phase Curve. <i>Astronomical Journal</i> , 2022, 163, 8.	4.7	4
10	Near-infrared Spectra of the Inflated Post-common Envelope Brown Dwarf NLTT 5306 B. <i>Astronomical Journal</i> , 2022, 163, 262.	4.7	1
11	WDJ220838.73+454434.04: a White Dwarf Companion in the AR Lacertae System. <i>Research Notes of the AAS</i> , 2022, 6, 127.	0.7	1
12	Discovery of 34 Low-mass Comoving Systems Using NOIRLab Source Catalog DR2. <i>Astronomical Journal</i> , 2022, 164, 3.	4.7	5
13	NGTS and <i>HST</i> insights into the long-period modulation in GWâ€“Librae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 581-588.	4.4	3
14	NGTS 15b, 16b, 17b, and 18b: four hot Jupiters from the Next-Generation Transit Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 6018-6032.	4.4	5
15	NGTS-13b: a hot 4.8 Jupiter-mass planet transiting a subgiant star. <i>Astronomy and Astrophysics</i> , 2021, 647, A180.	5.1	3
16	Identification of a Low-mass Companion to the White Dwarf SDSS J131730.84+483332.7. <i>Research Notes of the AAS</i> , 2021, 5, 76.	0.7	4
17	A transit timing variation observed for the long-period extremely low-density exoplanet HIPâ€“41378â€“of. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021, 504, L45-L50.	3.3	15
18	Stellar flares detected with the Next Generation Transit Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 3246-3264.	4.4	21

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19	NGTS-19b: a high-mass transiting brown dwarf in a 17-d eccentric orbit. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2741-2752.	4.4	12
20	The Enigmatic Brown Dwarf WISEA J153429.75-104303.3 (a.k.a. "The Accident"). Astrophysical Journal Letters, 2021, 915, L6.	8.3	11
21	Identification of a White Dwarf Companion in the V* HP Dra System. Research Notes of the AAS, 2021, 5, 170.	0.7	0
22	New Candidate Extreme T Subdwarfs from the Backyard Worlds: Planet 9 Citizen Science Project. Astrophysical Journal, 2021, 915, 120.	4.5	17
23	TOI-431/HP 26013: a super-Earth and a sub-Neptune transiting a bright, early K dwarf, with a third RV planet. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2782-2803.	4.4	19
24	Populating the brown dwarf and stellar boundary: Five stars with transiting companions near the hydrogen-burning mass limit. Astronomy and Astrophysics, 2021, 652, A127.	5.1	18
25	NGTS clusters survey " III. A low-mass eclipsing binary in the Blanco 1 open cluster spanning the fully convective boundary. Monthly Notices of the Royal Astronomical Society, 2021, 507, 5991-6011.	4.4	8
26	Exploring deep and hot adiabats as a potential solution to the radius inflation problem in brown dwarfs. Astronomy and Astrophysics, 2021, 656, A128.	5.1	8
27	A quantitative in-depth analysis of the prototype sdB+BD system SDSS J08205+0008 revisited in the Gaia era. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3847-3870.	4.4	24
28	Ross 19B: An Extremely Cold Companion Discovered via the Backyard Worlds: Planet 9 Citizen Science Project. Astrophysical Journal, 2021, 921, 140.	4.5	9
29	The return of the spin period in DW Cnc and evidence of new high state outbursts. Monthly Notices of the Royal Astronomical Society, 2021, 510, 1002-1009.	4.4	5
30	A Wide Planetary Mass Companion Discovered through the Citizen Science Project Backyard Worlds: Planet 9. Astrophysical Journal, 2021, 923, 48.	4.5	9
31	TOI-222: a single-transit TESS candidate revealed to be a 34-d eclipsing binary with CORALIE, EulerCam, and NGTS. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1761-1769.	4.4	30
32	NGTS clusters survey " I. Rotation in the young benchmark open cluster Blanco 1. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1008-1024.	4.4	35
33	NGTS-12b: A sub-Saturn mass transiting exoplanet in a 7.53-day orbit. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3139-3148.	4.4	6
34	WD1032+011, an inflated brown dwarf in an old eclipsing binary with a white dwarf. Monthly Notices of the Royal Astronomical Society, 2020, 497, 3571-3580.	4.4	23
35	An eclipsing M-dwarf close to the hydrogen burning limit from NGTS. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3115-3124.	4.4	10
36	NGTS clusters survey " II. White-light flares from the youngest stars in Orion. Monthly Notices of the Royal Astronomical Society, 2020, 497, 809-817.	4.4	14

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37	A long-period (P = 61.8 d) M5V dwarf eclipsing a Sun-like star from TESS and NGTS. Monthly Notices of the Royal Astronomical Society, 2020, 495, 2713-2719.	4.4	14
38	An ultrahot Neptune in the Neptune desert. Nature Astronomy, 2020, 4, 1148-1157.	10.1	43
39	Confirming new white dwarf-ultracool dwarf binary candidates. Monthly Notices of the Royal Astronomical Society, 2020, 498, 12-24.	4.4	8
40	Simultaneous TESS and NGTS transit observations of WASP-166b. Monthly Notices of the Royal Astronomical Society, 2020, 494, 5872-5881.	4.4	30
41	Simplified 3D GCM modelling of the irradiated brown dwarf WD 0137+349B. Monthly Notices of the Royal Astronomical Society, 2020, 496, 4674-4687.	4.4	26
42	NGTS J214358.5+380102 – NGTS discovery of the most eccentric known eclipsing M-dwarf binary system. Monthly Notices of the Royal Astronomical Society, 2020, 494, 3950-3961.	4.4	6
43	Shallow transit follow-up from the Generation Transit Survey: Simultaneous observations of HD 106315 with 11 identical telescopes. Astronomische Nachrichten, 2020, 341, 273-282.	1.2	17
44	A remnant planetary core in the hot-Neptune desert. Nature, 2020, 583, 39-42.	27.8	73
45	NGTS-10b: the shortest period hot Jupiter yet discovered. Monthly Notices of the Royal Astronomical Society, 2020, 493, 126-140.	4.4	18
46	NLTT5306B: an inflated, weakly irradiated brown dwarf. Monthly Notices of the Royal Astronomical Society, 2020, 499, 5318-5324.	4.4	14
47	Global Chemistry and Thermal Structure Models for the Hot Jupiter WASP-43b and Predictions for JWST. Astrophysical Journal, 2020, 890, 176.	4.5	53
48	Spitzer Follow-up of Extremely Cold Brown Dwarfs Discovered by the Backyard Worlds: Planet 9 Citizen Science Project. Astrophysical Journal, 2020, 899, 123.	4.5	28
49	Statistical Signatures of Nanoflare Activity. II. A Nanoflare Explanation for Periodic Brightenings in Flare Stars Observed by NGTS. Astrophysical Journal, 2020, 904, 109.	4.5	4
50	Atmosphere Models of Brown Dwarfs Irradiated by White Dwarfs: Analogs for Hot and Ultrahot Jupiters. Astrophysical Journal, 2020, 905, 163.	4.5	9
51	NGTS-11 b (TOI-1847 b): A Transiting Warm Saturn Recovered from a TESS Single-transit Event. Astrophysical Journal Letters, 2020, 898, L11.	8.3	30
52	NGTS-7Ab: an ultrashort-period brown dwarf transiting a tidally locked and active M dwarf. Monthly Notices of the Royal Astronomical Society, 2019, 489, 5146-5164.	4.4	35
53	NGTS-6b: an ultrashort period hot-Jupiter orbiting an old K dwarf. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4125-4134.	4.4	14
54	NGTS-4b: A sub-Neptune transiting in the desert. Monthly Notices of the Royal Astronomical Society, 2019, 486, 5094-5103.	4.4	47

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55	Detection of a giant white-light flare on an L2.5 dwarf with the Next Generation Transit Survey. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 485, L136-L140.	3.3	15
56	Signs of accretion in the white dwarf + brown dwarf binary NLTT5306. Monthly Notices of the Royal Astronomical Society, 2019, 484, 2566-2574.	4.4	19
57	What can ISM and non-photospheric highly ionised lines in white dwarf spectra reveal about the \hat{I}^2 CMA tunnel?. Proceedings of the International Astronomical Union, 2019, 15, 220-224.	0.0	0
58	3.8 \hat{I}^2 m Imaging of 400â€“600 K Brown Dwarfs and Orbital Constraints for WISEP J045853.90+643452.6AB. Astrophysical Journal, 2019, 882, 117.	4.5	11
59	Detection of a giant flare displaying quasi-periodic pulsations from a pre-main-sequence M star by the Next Generation Transit Survey. Monthly Notices of the Royal Astronomical Society, 2019, 482, 5553-5566.	4.4	33
60	NGTS-1b: a hot Jupiter transiting an M-dwarf. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4467-4475.	4.4	91
61	The Next Generation Transit Survey (NGTS). Monthly Notices of the Royal Astronomical Society, 2018, 475, 4476-4493.	4.4	189
62	Spectral analysis of the binary nucleus of the planetary nebula Hen 2-428 â€“ first results. Open Astronomy, 2018, 27, 57-61.	0.6	3
63	Revealing the True Nature of Hen 2-428. Galaxies, 2018, 6, 88.	3.0	3
64	The gravitational redshift of Sirius B. Monthly Notices of the Royal Astronomical Society, 2018, 481, 2361-2370.	4.4	22
65	NGTS-2b: an inflated hot-Jupiter transiting a bright F-dwarf. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4960-4970.	4.4	16
66	Using GALEX-SDSS-PanSTARRS-HST-Gaia to understand post-AGB evolution. Astrophysics and Space Science, 2018, 363, 1.	1.4	6
67	The direct detection of the irradiated brown dwarf in the white dwarfâ€“brown dwarf binary SDSSâ€“%j141126.20+200911.1. Monthly Notices of the Royal Astronomical Society, 2018, 481, 5216-5222.	4.4	20
68	A low-mass eclipsing binary within the fully convective zone from the Next Generation Transit Survey. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1897-1907.	4.4	10
69	The first sub-70â€“min non-interacting WDâ€“BD system: EPIC212235321. Monthly Notices of the Royal Astronomical Society, 2018, 476, 1405-1411.	4.4	24
70	Emission lines in the atmosphere of the irradiated brown dwarf WD0137â€“349B. Monthly Notices of the Royal Astronomical Society, 2017, 471, 1728-1736.	4.4	29
71	Time-series Analysis of Broadband Photometry of Neptune from K2. Astronomical Journal, 2017, 153, 149.	4.7	9
72	Centroid vetting of transiting planet candidates from the Next Generation Transit Survey. Monthly Notices of the Royal Astronomical Society, 2017, 472, 295-307.	4.4	46

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73	Two white dwarfs in ultrashort binaries with detached, eclipsing, likely sub-stellar companions detected by K2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 976-986.	4.4	35
74	The Next Generation Transit Surveyâ€™ Prototyping Phase. <i>Publications of the Astronomical Society of the Pacific</i> , 2017, 129, 025002.	3.1	31
75	X-ray orbital modulation of a white dwarf accreting from an L dwarf. <i>Astronomy and Astrophysics</i> , 2017, 598, L6.	5.1	14
76	The white dwarf mass-radius relation with Gaia, Hubble and FUSE. <i>Proceedings of the International Astronomical Union</i> , 2017, 12, 301-304.	0.0	0
77	A LOFAR mini-survey for low-frequency radio emission from the nearest brown dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 2202-2209.	4.4	11
78	NEPTUNEâ€™S DYNAMIC ATMOSPHERE FROM KEPLER K2 OBSERVATIONS: IMPLICATIONS FOR BROWN DWARF LIGHT CURVE ANALYSES. <i>Astrophysical Journal</i> , 2016, 817, 162.	4.5	39
79	THE FIRST MILLIMETER DETECTION OF A NON-ACCRETING ULTRACOOL DWARF. <i>Astrophysical Journal</i> , 2015, 815, 64.	4.5	30
80	HUBBLE SPACE TELESCOPE OBSERVATIONS OF THE NUV TRANSIT OF WASP-12b. <i>Astrophysical Journal</i> , 2015, 803, 9.	4.5	59
81	Multiwaveband photometry of the irradiated brown dwarf WD0137â€™349B. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 3218-3226.	4.4	44
82	Optical spectroscopy of candidate Alpha Persei white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 4259-4265.	4.4	3
83	Atmospheres of brown dwarfs. <i>Astronomy and Astrophysics Review</i> , 2014, 22, 1.	25.5	63
84	Component masses of young, wide, non-magnetic white dwarf binaries in the Sloan Digital Sky Survey Data Release 7. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 3184-3201.	4.4	10
85	The substellar companion in the eclipsing white dwarf binary SDSS J141126.20+200911.1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 2106-2115.	4.4	43
86	Evidence for an external origin of heavy elements in hot DA white dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 1607-1625.	4.4	56
87	A photometric and astrometric investigation of the brown dwarfs in Blanco 1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 425, 3112-3118.	4.4	7
88	WD0837+185: THE FORMATION AND EVOLUTION OF AN EXTREME MASS-RATIO WHITE-DWARF-BROWN-DWARF BINARY IN PRAESEPE. <i>Astrophysical Journal Letters</i> , 2012, 759, L34.	8.3	34
89	ORIGIN OF ELECTRON CYCLOTRON MASER INDUCED RADIO EMISSIONS AT ULTRACOOL DWARFS: MAGNETOSPHERE-IONOSPHERE COUPLING CURRENTS. <i>Astrophysical Journal</i> , 2012, 760, 59.	4.5	66
90	High-field magnetic white dwarfs as the progeny of early-type stars?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2012, 428, L16-L20.	3.3	9

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91	High-resolution optical spectroscopy of Praesepe white dwarfs. Monthly Notices of the Royal Astronomical Society, 2009, 395, 1795-1804.	4.4	60
92	L dwarfs in the Hyades. Monthly Notices of the Royal Astronomical Society, 2008, 388, 495-499.	4.4	26
93	Eight new T4.5-T7.5 dwarfs discovered in the UKIDSS Large Area Survey Data Release 1. Monthly Notices of the Royal Astronomical Society, 2007, 379, 1423-1430.	4.4	71
94	GRB 060206 and the quandary of achromatic breaks in afterglow light curves. Monthly Notices of the Royal Astronomical Society: Letters, 2007, 381, L65-L69.	3.3	29
95	New Praesepe white dwarfs and the initial mass–final mass relation. Monthly Notices of the Royal Astronomical Society, 2006, 369, 383-389.	4.4	84
96	The nature of the close magnetic white dwarf + probable brown dwarf binary SDSSâ€fJ121209.31+013627.7*. Monthly Notices of the Royal Astronomical Society, 2006, 373, 1416-1422.	4.4	45
97	Testing the white dwarf mass-radius relation and comparing optical and far-UV spectroscopic results with Gaia DR2, HST and FUSE. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	6
98	NGTS and WASP photometric recovery of a single-transit candidate from TESS. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	9
99	Scintillation-limited photometry with the 20-cm NGTS telescopes at Paranal Observatory. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1